

STEREO MOC Status Report  
Time Period: 2020:048 - 2020:054

STEREO Ahead (STA) Status:

1. The following Ground System anomalies/events occurred during this reporting period:

- On day 052, during the DSS-14 support, turbo decoder lock was lost intermittently from 0211z through 0231z. This anomaly resulted in the loss of 941 frames of SSR data. For more information, see DR #G120918.
- On day 052, during the DSS-35 support, turbo decoder lock was lost briefly at 0632z. This anomaly resulted in the loss of ten frames of SSR data.

2. The following spacecraft/instrument events occurred during this week. The Ahead observatory operated nominally during this week.

- On day 048, the PLASTIC team performed commanding to investigate the cause for the stopped solar wind data and the digital-to-analog converter (DAC) reset to zero. The DAC high voltage was commanded to zero and the power supply was disabled to return to a known state. The high voltage tables were dumped from EEPROM to check for errors. The PLASTIC team believes that a transient event may have occurred on the instrument, which disrupted the DAC board.
- On days 050 and 52, the PLASTIC team performed commanding to continue to step the Post Acceleration (PAC) power supply high voltage. All PLASTIC systems are behaving well, except there is a high background count rate, which the PLASTIC team is continuing to monitor.
- The average daily science data return for Ahead was 7.4 Gbits during this week.